

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 039 22494

Approval Date: 12/06/2016  
Expiration Date: 06/06/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 14N Rge: 14W County: CUSTER  
SPOT LOCATION:  SW  SE  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 305 365

Lease Name: JAMES MILLER FIU Well No: 1R-6-31XH Well will be 305 feet from nearest unit or lease boundary.  
Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349 OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC  
PO BOX 269000  
OKLAHOMA CITY, OK 73126-9000

DOROTHY J. MOSES  
2455 MANCHESTER DR #16  
OKC OK 73120

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 WOODFORD	15097	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 654534

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201602207  
201605234  
201605235

Special Orders:

Total Depth: 24882

Ground Elevation: 1733

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 370

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? N

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 16-31876

H. SEE MEMO

E. Haul to Commercial pit facility; Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PIT 2 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 250000
Is depth to top of ground water greater than 10ft below base of pit? Y
Within 1 mile of municipal water well? N
Wellhead Protection Area? N
Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 3
Liner required for Category: 3
Pit Location is AP/TE DEPOSIT
Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 31 Twp 15N Rge 14W County CUSTER
Spot Location of End Point: N2 NE NE NE
Feet From: NORTH 1/4 Section Line: 50
Feet From: EAST 1/4 Section Line: 330
Depth of Deviation: 14444
Radius of Turn: 415
Direction: 1
Total Length: 9785
Measured Total Depth: 24882
True Vertical Depth: 15097
End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Table with 2 columns: Category, Description. Rows include COMPLETION INTERVAL, DEEP SURFACE CASING, HYDRAULIC FRACTURING, MEMO, and PENDING CD - 201602207.

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Category	Description
PENDING CD - 201605234	12/6/2016 - G64 - (E.O.) 6-14N-14W & 31-15N-14W EST MULTIUNIT HORIZONTAL WELL X654534 WDFD, OTHER 6-14N-14W X201602207 WDFD, OTHERS 31-15N-14W 50% 6-14N-14W 50% 31-15N-14W NO OP. NAMED REC. 11-22-2016 (MCKEOWN)
PENDING CD - 201605235	12/6/2016 - G64 - (E.O.) 6-14N-14W & 31-15N-14W X654534 WDFD, OTHER 6-14N-14W X201602207 WDFD, OTHERS 31-15N-14W COMPL. INT. (6-14N-14W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (31-15N-14W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL NO OP. NAMED REC. 11-22-2016 (MCKEOWN)
SPACING - 654534	12/6/2016 - G64 - (640) 6-14N-14W VAC OTHERS EXT OTHER EST WDFD, OTHERS
SURFACE CASING	12/6/2016 - G71 - MIN. 500' PER ORDER 42589

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Office of the Conservation Division as to when Surface Casing will be run.